AMENDMENTS TO THE CLAIMS

- dry blended packageable 1. (currently amended) A packaged composition for in mixing matrix use cementitious predetermined amounts of a decorative aggregate an aggregate used for a decorative purpose and water for producing a decorative aggregate-containing cementitious slurry for pouring, troweling and curing on a base, and for producing a durable decorative aggregatecontaining surface bonded to the base and suitable for light pedestrian traffic usage, the packaged packageable dry blended cementitious matrix composition being free of additives selected from the group consisting of gypsum, limestone, reactive resins and hardeners therefor, epoxy and mixtures thereof, the packaged packageable dry blended cementitious matrix composition not requiring curing at an elevated temperature, the packaged packageable dry blended cementitious matrix composition comprising:
 - (a) a quartzitic silica blend;

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- (b) a hydraulic cement selected from the group consisting of Type V hydraulic portland cement and white portland cement;
- (c) a particulate material selected from the group consisting of fly ash, silica fume and mixtures thereof;
 - (d) optionally, a superplasticizer; and
- (e) an optional substance selected from the group consisting of shrinkage reducers, alkali-silica reactivity controllers, colorants, permeability reducers and mixtures thereof, and

wherein an amount of the quartzitic silica blend is between about 50% to about 79% of the packaged packageable dry blended cementitious matrix composition,

wherein an amount of the hydraulic cement is between about 20% to about 35% of the packaged packageable dry blended cementitious matrix composition,

wherein an amount of the fly ash if present does not exceed about 8% of the packaged packageable dry blended cementitious matrix composition, and

wherein an amount of the silica fume if present does not

- exceed about 5% of the packaged <u>packageable</u> dry blended cementitious matrix composition.
 - 2. (currently amended) A packaged packageable dry blended cementitious matrix composition for use in mixing with predetermined amounts of a decorative aggregate an aggregate used for a decorative purpose and water for producing a decorative aggregate-containing cementitious slurry for pouring, troweling and curing on a base, and for producing a durable decorative aggregate-containing surface bonded to the base and suitable for light pedestrian traffic usage, the packaged packageable dry blended cementitious matrix composition consisting essentially of:
 - (a) a quartzitic silica blend;

- (b) a hydraulic cement selected from the group consisting of Type V hydraulic portland cement and white portland cement;
- (c) a particulate material selected from the group consisting of fly ash, silica fume and mixtures thereof;
 - (d) optionally, a superplasticizer; and
- (e) an optional substance selected from the group consisting of shrinkage reducers, alkali-silica reactivity controllers, colorants, permeability reducers and mixtures thereof, and

wherein an amount of the quartzitic silica blend is between about 50% to about 79% of the packaged packageable dry blended cementitious matrix composition,

wherein an amount of the hydraulic cement is between about 20% to about 35% of the packaged packageable dry blended cementitious matrix composition,

wherein an amount of the fly ash if present does not exceed about 8% of the packaged packageable dry blended cementitious matrix composition, and

wherein an amount of the silica fume if present does not exceed about 5% of the packaged packageable dry blended cementitious matrix composition.

3. (Currently amended) The packaged packageable dry blended cementitious matrix composition of claim 2, wherein

the quartzitic silica blend is between about 55% and about 75% of the packaged packageable dry blended cementitious matrix composition,

the hydraulic cement is between about 22% and about 33% of the packaged packageable dry blended cementitious matrix composition,

the fly ash does not exceed about 7% of the packaged packageable dry blended cementitious matrix composition, and the silica fume does not exceed about 4% of the packaged packageable dry blended cementitious matrix composition.

4. (Currently amended) The packaged packageable dry blended cementitious matrix composition of claim 2, wherein

the quartzitic silica blend is between about 60% and about 70% of the packaged packageable dry blended cementitious matrix composition,

the hydraulic cement is between about 25% and about 32% of the packaged packageable dry blended cementitious matrix composition,

the fly ash is at least about 5% of the packaged packageable dry blended cementitious matrix composition, and the silica fume does not exceed about 3.5% of the packaged packageable dry blended cementitious matrix composition.

5. (Currently amended) The packaged packageable dry blended cementitious matrix composition of claim 2, wherein the quartzitic silica blend is at least about 55% of the packaged packageable dry blended cementitious matrix composition.

(Currently amended) The packaged packageable dry blended 1 6. cementitious matrix composition of claim 2, wherein the 2 quartzitic silica blend is no greater than about 75% of the 3 packageable dry blended cementitious 4 composition. 5

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7. (Currently amended) The packaged packageable dry blended cementitious matrix composition of claim 2, wherein the blended quartzitic silica that when characterized using Standard Sieve Sizes 4, 8, 16, 30, 50 and 100 has a particle size of:

> about 0% larger than Standard Sieve Size 4, between about 4% and about 8% smaller than Standard Sieve Size 4 and larger than Standard Sieve Size 8, between about 17% and about 25% smaller than Standard Sieve Size 8 and larger than Standard Sieve Size 16, between about 16% and about 25% smaller than Standard Sieve Size 16 and larger than Standard Sieve Size 30, between about 20% and about 25% smaller than Standard Sieve Size 30 and larger than Standard Sieve Size 50, between about 14% and about 19% smaller than Standard Sieve Size 50 and larger than Standard Sieve Size 100, and no more than about 7% smaller than Standard Sieve Size 200.

(Currently amended) The packaged packageable dry blended 8. cementitious matrix composition of claim 2, wherein the blended quartzitic silica is produced from Sand Size Nos. 16, 20, 30 and 60 has a particle size of about 25% Sand Size No. 16, about 37% Sand Size No. 20, about 25% Sand Size No. 30, and about 13% Sand Size No. 60.

- 9. (Currently amended) The packaged packageable dry blended cementitious matrix composition of claim 2, wherein the blended quartzitic silica that when characterized using Standard Sieve Sizes 4, 8, 16, 30, 50 and 100 has a fineness modulus of about 2.5.
- 10. (Currently amended) The packaged packageable dry blended cementitious matrix composition of claim 2, wherein the blended quartzitic silica has a silica content of at least about 80%.
- 11. (Currently amended) The packaged packageable dry blended
 11 cementitious matrix composition of claim 2, wherein the
 12 hydraulic cement is at least about 22% of the packaged
 13 packageable dry blended cementitious matrix composition.
- 12. (Currently amended) The packaged packageable dry blended
 cementitious matrix composition of claim 2, wherein the
 hydraulic cement is no greater than about 33% of the packaged
 packageable dry blended cementitious matrix composition.
- 13. (Currently amended) The packaged packageable dry blended
 cementitious matrix composition of claim 2, wherein the
 hydraulic cement is Type V portland cement.
- 14. (Currently amended) The packaged packageable dry blended cementitious matrix composition of claim 2, wherein the hydraulic cement is white portland cement.

15. (Currently amended) The packaged packageable dry blended cementitious matrix composition of claim 2, wherein the packaged packageable dry blended cementitious matrix composition contains fly ash and the fly ash is no greater than about 8% of the packaged packageable dry blended cementitious matrix composition.

- 7 16. (Currently amended) The packaged packageable dry blended
 8 cementitious matrix composition of claim 2, wherein the
 9 packaged packageable dry blended cementitious matrix
 10 composition contains fly ash and the fly ash is at least about
 11 5% of the packaged packageable dry blended cementitious matrix
 12 composition.
- 17. (Currently amended) The packaged packageable dry blended

 14 cementitious matrix composition of claim 2, wherein the

 15 packaged packageable dry blended cementitious matrix

 16 composition contains fly ash and the fly ash is between about

 17 5% and about 7% of the packaged packageable dry blended

 18 cementitious matrix composition.
 - 18. (Currently amended) The packaged packageable dry blended cementitious matrix composition of claim 2, wherein the packageable dry blended cementitious matrix composition contains silica fume and the silica fume is at least about 0.5% of the packaged packageable dry blended cementitious matrix composition.
- 19. (Currently amended) The packaged packageable dry blended
 cementitious matrix composition of claim 2, wherein the
 packageable dry blended cementitious matrix composition
 contains silica fume and the silica fume is no greater than
 about 4% of the packaged packageable dry blended cementitious
 matrix composition.

- 1 20. (Currently amended) The packaged packageable dry blended
 2 cementitious matrix composition of claim 2, wherein the
 3 packaged packageable dry blended cementitious matrix
 4 composition contains silica fume and the silica fume is
 5 between about 1% to about 5% of the packaged packageable dry
 6 blended cementitious matrix composition.
- 7 21. (Currently amended) The packaged packageable dry blended
 8 cementitious matrix composition of claim 2, wherein the
 9 packaged packageable dry blended cementitious matrix
 10 composition contains superplasticizer and the superplasticizer
 11 is up to about 3% of the packaged packageable dry blended
 12 cementitious matrix composition.
- 13 22. (Currently amended) The packaged packageable dry blended
 14 cementitious matrix composition of claim 2, wherein the
 15 packaged packageable dry blended cementitious matrix
 16 composition contains superplasticizer and the superplasticizer
 17 is between about 0.3% and about 1.5% of the packaged
 18 packageable dry blended cementitious matrix composition.
- 19 23. (Currently amended) The packaged packageable dry blended 20 cementitious matrix composition of claim 2, wherein the 21 superplasticizer is a packaged packageable dry solid 22 superplasticizer.

- 24. (currently amended) A packaged packageable dry blended cementitious matrix composition for use in mixing with amounts of an aggregate used for a decorative purpose and water for producing a decorative aggregate-containing cementitious slurry for pouring, troweling and curing on a base, and for producing a durable decorative aggregate-containing surface bonded to the base and suitable for light pedestrian traffic usage, the packageable dry blended cementitious matrix composition consisting of:
 - (a) a quartzitic silica blend;

- (b) a hydraulic cement selected from the group consisting of Type V hydraulic portland cement and white portland cement;
- (c) a particulate material selected from the group consisting of fly ash, silica fume and mixtures thereof;
 - (d) optionally, a superplasticizer; and
- (e) an optional substance selected from the group consisting of shrinkage reducers, alkali-silica reactivity controllers, colorants, permeability reducers and mixtures thereof,

wherein an amount of the quartzitic silica blend is between about 50% to about 79% of the packaged packageable dry blended cementitious matrix composition,

wherein an amount of the hydraulic cement is between about 20% to about 35% of the packaged packageable dry blended cementitious matrix composition,

wherein an amount of the fly ash if present does not exceed about 8% of the packaged packageable dry blended cementitious matrix composition, and

wherein an amount of the silica fume if present does not exceed about 5% of the packaged packageable dry blended cementitious matrix composition.

- 25. (currently amended) A decorative aggregate-containing cementitious slurry for use in producing a decorative aggregatecontaining surface and suitable for light pedestrian traffic usage, the decorative aggregate-containing cementitious slurry comprising:
 - (a) a packaged <u>packageable</u> dry blended cementitious matrix composition consisting essentially of:
 - (i) a quartzitic silica blend;

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- (ii) a hydraulic cement selected from the group consisting of Type V hydraulic portland cement and white portland cement;

 - (iv) optionally, a superplasticizer; and
 - (v) an optional substance selected from the group consisting of shrinkage reducers, alkali-silica reactivity controllers, colorants, permeability reducers and mixtures thereof, and

wherein an amount of the quartzitic silica blend is between about 50% to about 79% of the packaged packageable dry blended cementitious matrix composition,

wherein an amount of the hydraulic cement is between about 20% to about 35% of the packaged packageable dry blended cementitious matrix composition,

wherein an amount of the fly ash if present does not exceed about 8% of the packaged packageable dry blended cementitious matrix composition, and

wherein an amount of the silica fume if present does not exceed about 5% of the packaged packageable dry blended cementitious matrix composition;

(b) a decorative an aggregate used for a decorative purpose wherein the weight ratio of decorative the aggregate used for decorative purpose to packaged the packageable dry blended

- cementitious matrix composition is between about 20/60 to about 50/60; and
- 3 (c) water in an amount that when mixed with the packaged
 4 packageable dry blended cementitious matrix composition and
 5 the decorative aggregate produces slurry having a slump of at
 6 least about 2 inches.
- 7 26. (Currently amended) The decorative aggregate-containing cementitious slurry of claim 25, wherein the weight ratio of decorative aggregate to packaged packageable dry blended cementitious matrix composition is between about 35/60 to about 45/60.
- 12 27. (Currently amended) The decorative aggregate-containing 13 cementitious slurry of claim 25, wherein the weight ratio of 14 decorative aggregate to packaged packageable dry blended 15 cementitious matrix composition is about 40/60.
- 16 28. (Original) A decorative aggregate-containing cementitious 17 slurry of claim 25, wherein the amount of water produces 18 slurry having a slump of at least about 3 inches.
- 29. (Original) A decorative aggregate-containing cementitious 20 slurry of claim 25, wherein the amount of water produces 21 slurry having a slump of from about 3 inches to about 5 22 inches.
- 23 30. (Original) A decorative aggregate-containing cementitious 24 slurry of claim 25, further comprising a superplasticizer.
- 25 Claims 31-34 (canceled).

- 1 35. (New) The packageable dry blended cementitious matrix 2 composition of claim 1, wherein all particles the quartzitic 3 silica blend pass through Standard Sieve Size No. 4.
- 36. (New) The packageable dry blended cementitious matrix composition of claim 1, wherein the particulate material selected from the group consisting of fly ash, silica fume and mixtures thereof is fly ash.
- 8 37. (New) The packageable dry blended cementitious matrix 9 composition of claim 1, wherein durable decorative aggregate-10 containing surface has a compressive strength of 2200 psi or 11 higher at 28 days.
- 12 38. (New) The packageable dry blended cementitious matrix 13 composition of claim 2, wherein all particles the quartzitic 14 silica blend pass through Standard Sieve Size No. 4.
- 15 39. (New) The packageable dry blended cementitious matrix 16 composition of claim 2, wherein the particulate material 17 selected from the group consisting of fly ash, silica fume and 18 mixtures thereof is fly ash.
- 19 40. (New) The packageable dry blended cementitious matrix 20 composition of claim 2, wherein durable decorative aggregate-21 containing surface has a compressive strength of 2200 psi or 22 higher at 28 days.
- 23 41. (New) The packageable dry blended cementitious matrix 24 composition of claim 24, wherein all particles the quartzitic 25 silica blend pass through Standard Sieve Size No. 4.

- 1 42. (New) The packageable dry blended cementitious matrix 2 composition of claim 24, wherein the particulate material 3 selected from the group consisting of fly ash, silica fume and 4 mixtures thereof is fly ash.
- 5 43. (New) The packageable dry blended cementitious matrix 6 composition of claim 24 durable decorative aggregate-7 containing surface has a compressive strength of 2200 psi or 8 higher at 28 days.
- 9 44. (New) The decorative aggregate-containing cementitious 10 slurry of claim 25, wherein all particles the quartzitic 11 silica blend pass through Standard Sieve Size No. 4.
- 12 45. (New) The decorative aggregate-containing cementitious 13 slurry of claim 25, wherein the particulate material selected 14 from the group consisting of fly ash, silica fume and mixtures 15 thereof is fly ash.
- 16 46. (New) The decorative aggregate-containing cementitious 17 slurry of claim 25, wherein durable decorative aggregate-18 containing surface has a compressive strength of 2200 psi or 19 higher at 28 days.
- 47. (New) A decorative aggregate-containing cementitious slurry for use in producing a decorative aggregate-containing surface and suitable for light pedestrian traffic usage, the decorative aggregate-containing cementitious slurry consisting essentially of:
- 25 (a) a packageable dry blended cementitious matrix composition 26 consisting essentially of:
 - (i) a quartzitic silica blend;

- 1 (ii) a hydraulic cement selected from the group 2 consisting of Type V portland cement and white 3 portland cement;
 - (iii) a particulate material selected from the group consisting of fly ash, silica fume and mixtures thereof;
 - (iv) optionally, a superplasticizer; and

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(v) an optional substance selected from the group consisting of shrinkage reducers, alkali-silica reactivity controllers, colorants, permeability reducers and mixtures thereof, and

wherein an amount of the quartzitic silica blend is between about 50% to about 79% of the packageable dry blended cementitious matrix composition,

wherein an amount of the hydraulic cement is between about 20% to about 35% of the packageable dry blended cementitious matrix composition,

wherein an amount of the fly ash if present does not exceed about 8% of the packageable dry blended cementitious matrix composition, and

wherein an amount of the silica fume if present does not exceed about 5% of the packageable dry blended cementitious matrix composition;

- (b) an aggregate used for a decorative purpose wherein the weight ratio of the aggregate used for decorative purpose to the packageable dry blended cementitious matrix composition is between about 20/60 to about 50/60; and
- (c) water in an amount that when mixed with the packageable dry blended cementitious matrix composition and the decorative aggregate produces slurry having a slump of at least about 2 inches.